| Test Case ID | Feature | Complexity | Feature Description | Precondition |
|---|---|---|---|---|
| **Verify User Registration** | | | | |
| F_REG_001 | FUN | High | Verify that user can successfully register with valid credentials. | 1.The user must have access to the registration page. 2.User is not registered |
| F_REG_002 | FUN | High | Verify that the registration form does not proceed with invalid email addresses. | 1.The user must have access to the registration page. 2.User is not registered |
| F_REG_003 | FUN | High | Verify that the registration Form Does Not Proceed with Invalid Passwords. | 1.The user must have access to the registration page. 2.User is not registered |

| F_REG_004 | FUN | High | Verify that user Cannot Register with Mismatched Passwords | 1.The user must have access to the registration page. 2.User is not registered |
| F_REG_005 | FUN | High | Verify User Cannot Register with an Existing Email Address | 1.The user must have access to the registration page. 2.A user account with the email address (e.g.- johnandrews@gmail.com ) is already registered in the system. |
| F_REG_006 | FUN | High | Verify that user cannot register with empty required fields. | 1.The user must have access to the registration page. 2.User is not registered |

| Testing steps | Input Data | Expected result |
|---|---|---|
| 1. Navigate to registration page. 2. Enter valid credentials in all fields. 3. Click the submit button. | username-John Andrews email-johnandrews@gmail.com password-John24@& confirm password-John24@& | 1.User is registered successfully and receives a confirmation message. |
| 1. Navigate to registration page. 2. Enter valid username in username field 3.Enter invalid email in email field 4.Enter valid password in password field 5.Type the same password in confirm password field 6. Click the submit button. | username-Jeni Andrews email-Validation table 01 password-Jenii24@& confirm password-Jenii24@& | 1.Error message should be displayed ''Please enter a valid email address." 2.The email field is highlighted to indicate an error. 3.The user remains on the registration page, with all previously entered data retained except for the invalid email field. |
| 1. Navigate to registration page. 2. Enter valid username in username field 3.Enter valid email in email field 4.Enter invalid password in password field 5.Type the same password in confirm password field 6. Click the submit button. | username-Jeni Andrews email-jenii34@gmail.com password- Validation table 02 confirm password-Same password typed in the password field | 1.An appropriate error message is displayed next to the password field, indicating the specific requirement that is not met 2.The password field is highlighted to indicate an error. 3.The user remains on the registration page, with all previously entered data retained except for the invalid password fields. |

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| 1. Navigate to registration page.  2. Enter valid username in username field  3.Enter valid email in email field  4.Enter valid password in password field  5. Enter a mismatched confirm password  6. Click the submit button. | username-Gwen Andria  email-gwenand@gmail.com password-GwenAn24!#  confirm password-GwenAn24!@ | 1.The registration form should not allow submission when the password and confirm password fields do not match.  2.An error message is displayed next to the confirm password field: "Password and confirm password not matched." 3.The user remains on the registration page, with all previously entered data retained except for the confirm password field, which should be cleared or highlighted. |
| 1. Navigate to registration page.  2. Enter valid username in username field  3.Enter existing email in email field  4.Enter valid password in password field  5.Type the same password in confirm password field 6. Click the submit button. | username-Jame Andrews  email-johnandrews@gmail.com  password-Jame24@&  confirm password-Jame24@& | 1.The registration form should not allow submission when the email address entered already exists in the system.  2.An error message is displayed next to the email field: "Email address already exists."  3.The email field is highlighted to indicate an error. 4.The user remains on the registration page, with all previously entered data retained except for the email field, which should be highlighted or cleared. |
| 1. Navigate to registration page.  2. Enter valid username in username field 3.Enter valid password in password field 4. Click the submit button. | username-Jayhn Atoms password-John24@& | 1.The registration form should not allow submission when any required fields are empty. 2.The user stays on the registration page with filled fields retaining their values, while error messages clearly indicate what needs to be completed. |

| Actual result | Pass/Fail | Postive/Negative |
|---|---|---|
| | | |
| Same as expected | Pass | P |
| Same as expected | Pass | N |
| The password validation is not functioning as expected. Users are able to register with any password | Fail | N |

| Same as expected | Pass | N |
|---|---|---|
| Same as expected | Pass | N |
| Same as expected | Pass | N |